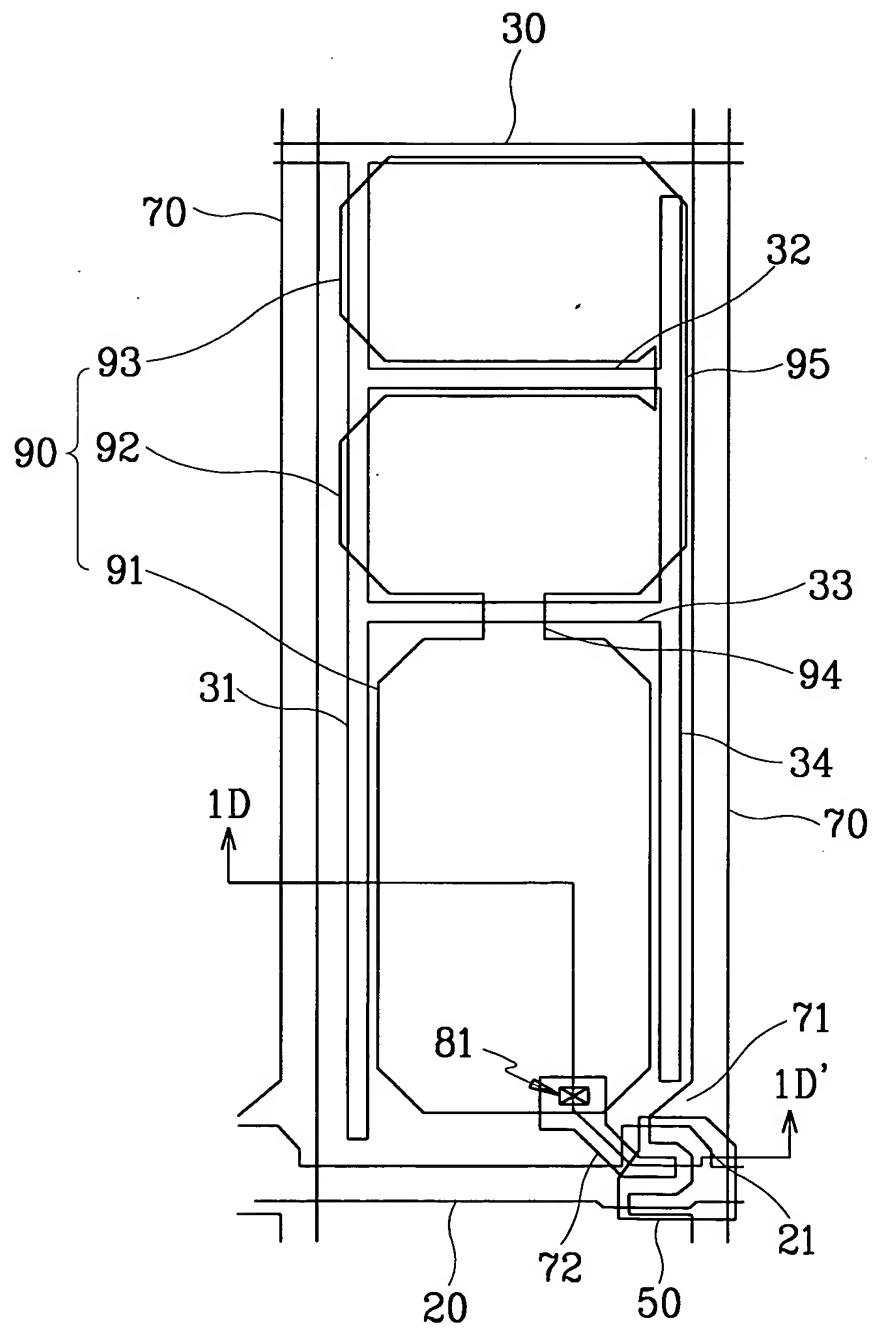
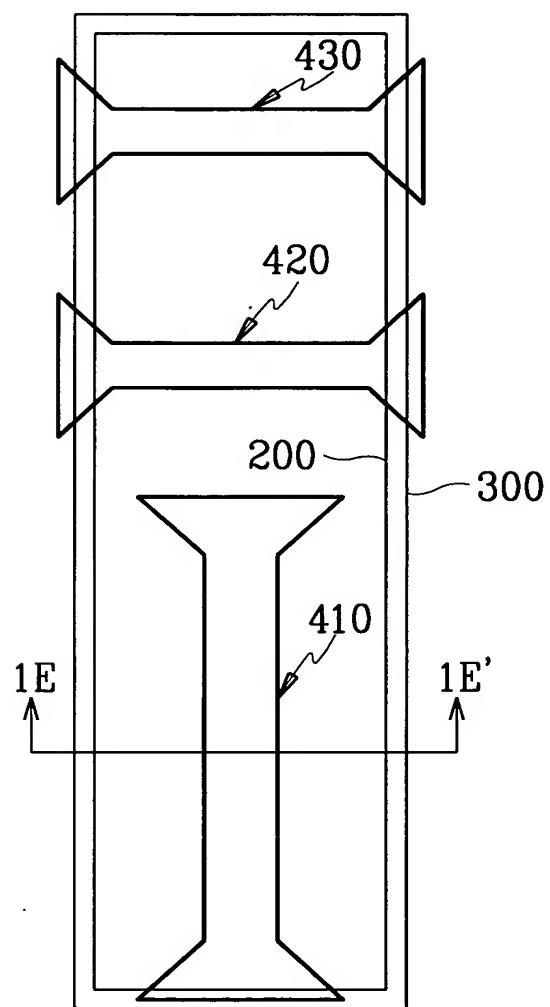


FIG. 1A



200904529-B2

FIG. 1B



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FIG. 1C

10014029 012200

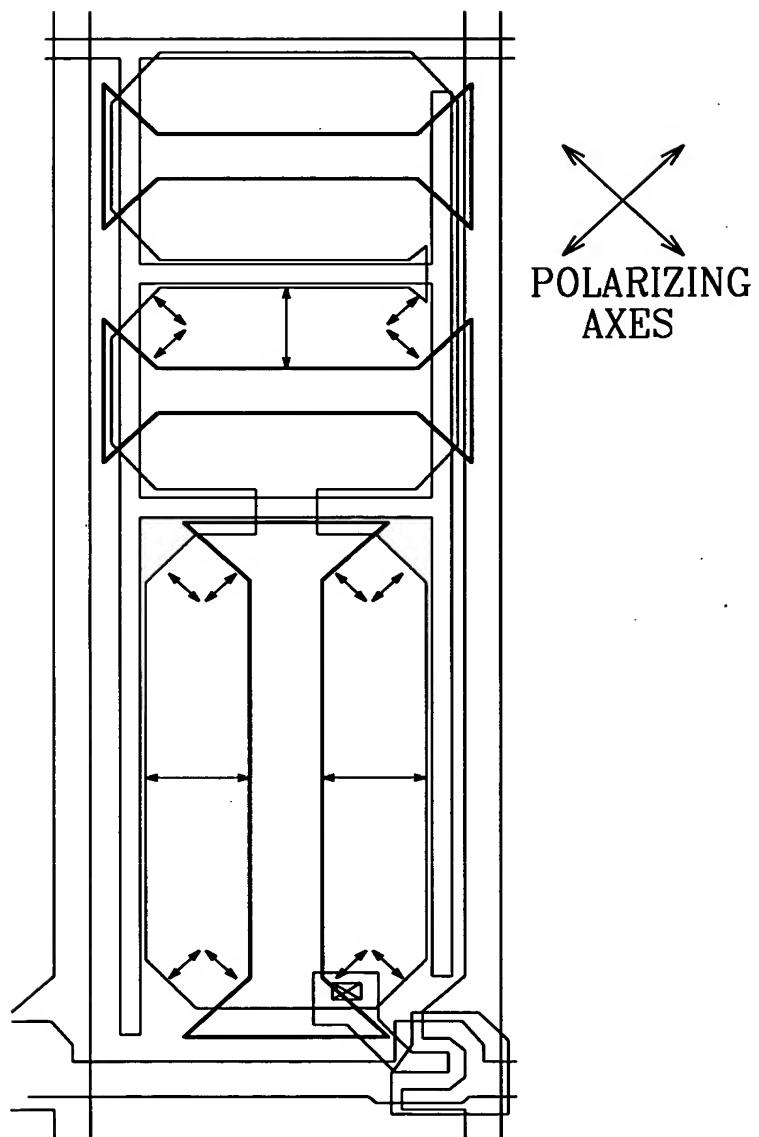


FIG. 1D

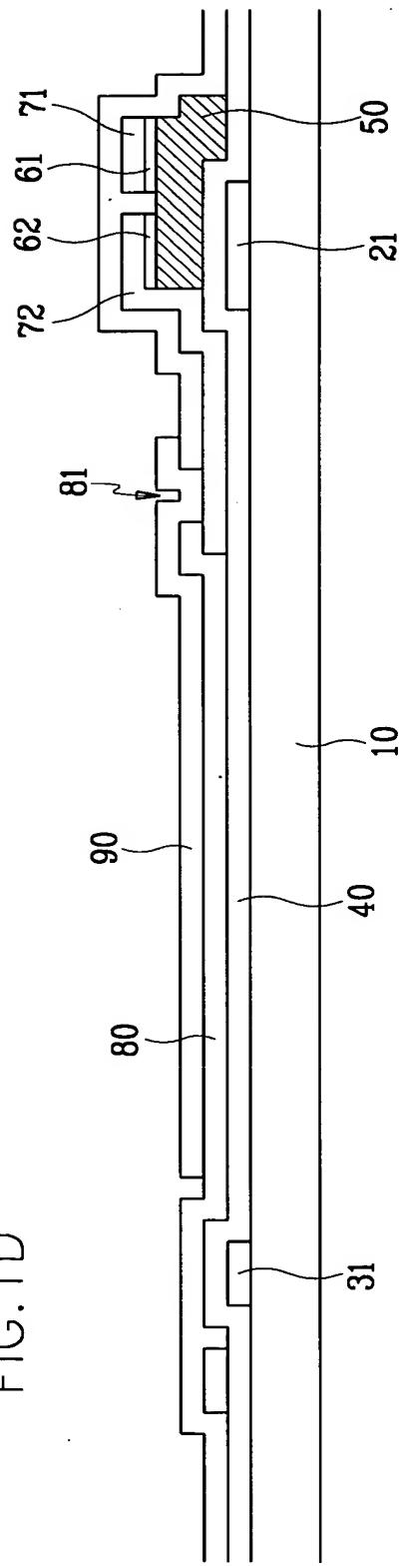


FIG. 1E

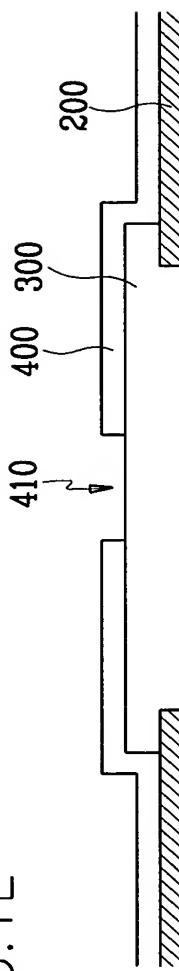


FIG. 1F

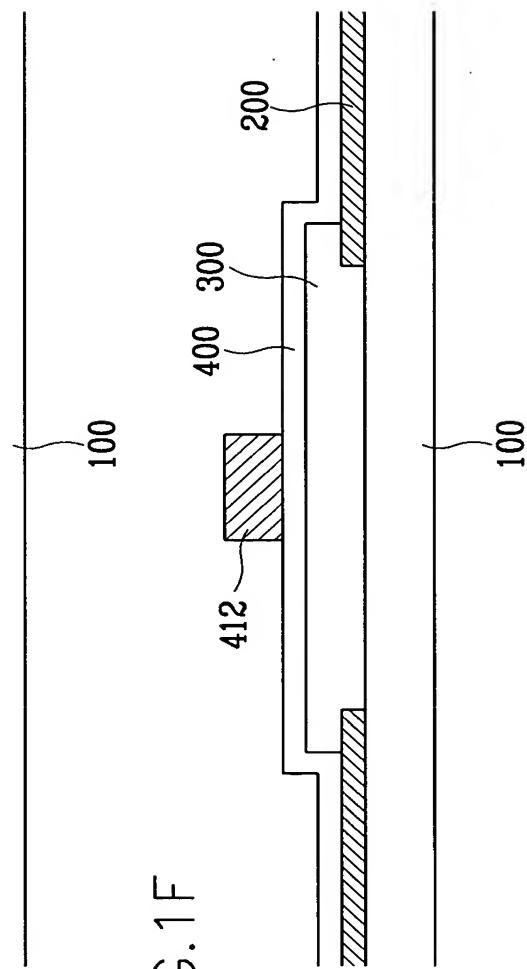


FIG.2A

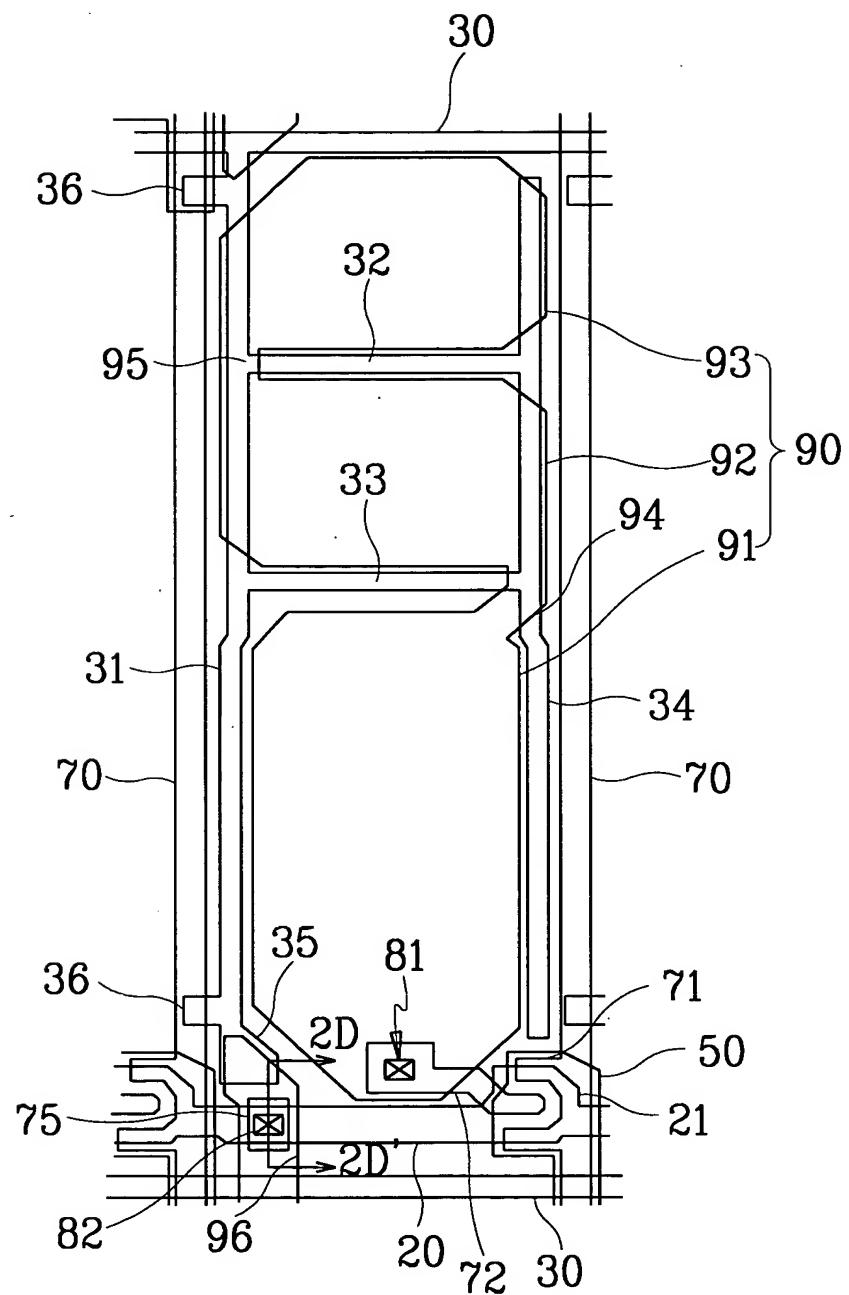
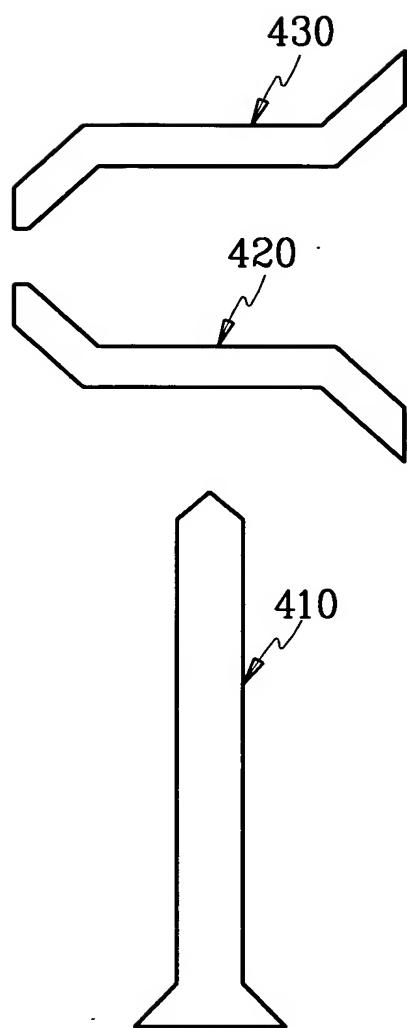


FIG.2B



10054025 w. 0.11.1992 (12)

FIG.2C

4005426 "020202

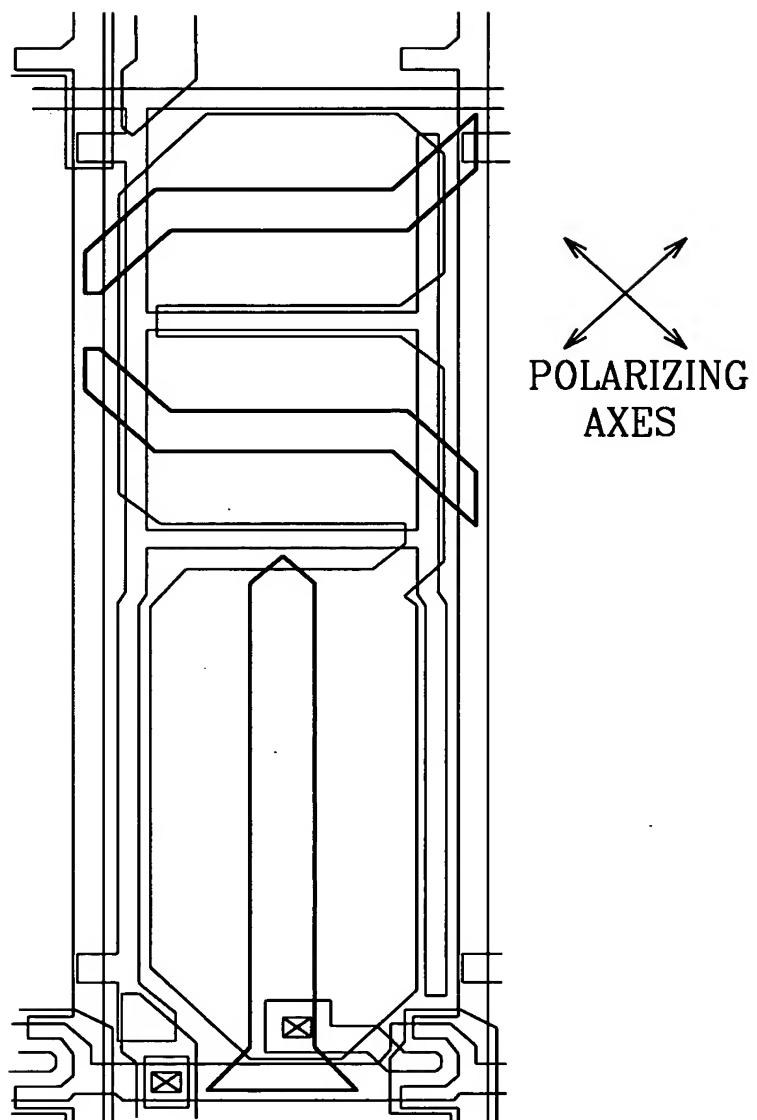


FIG. 2D

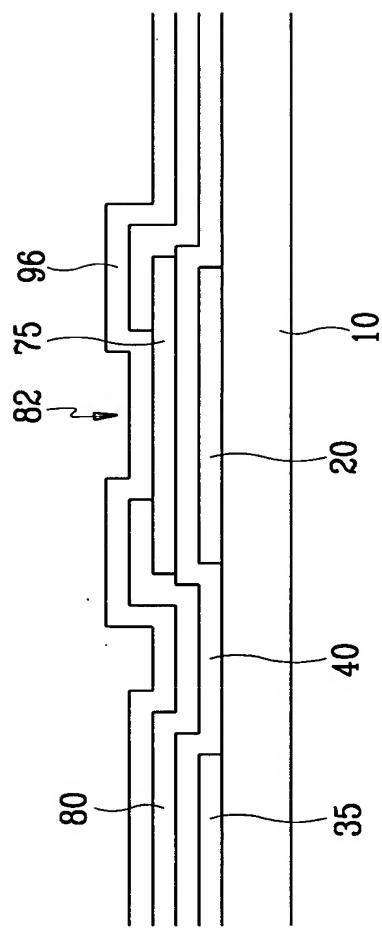
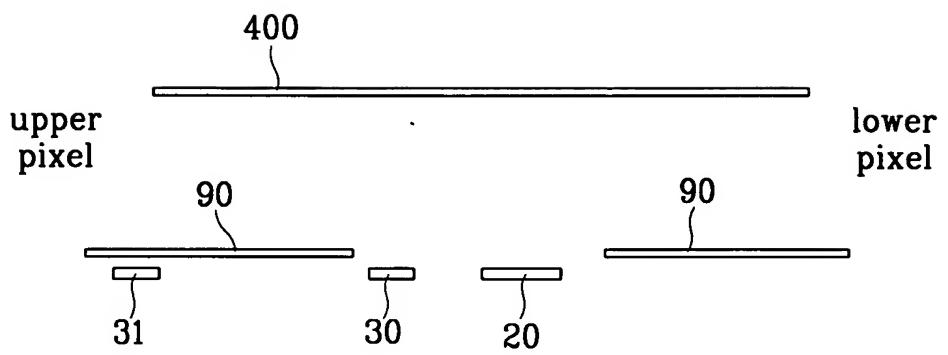


FIG.3A

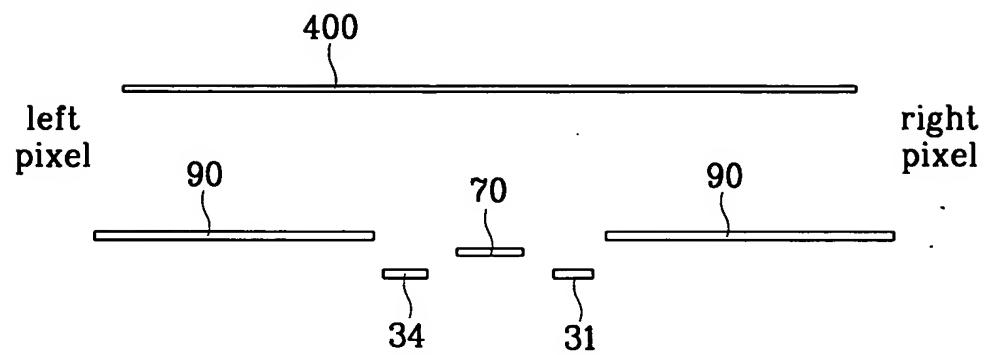


100054023 042206

FIG. 3B

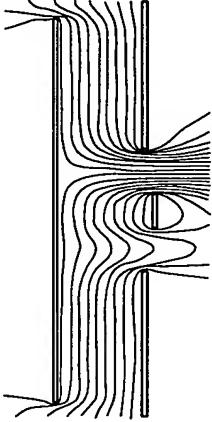
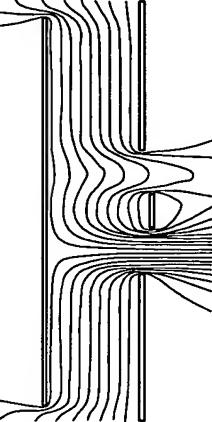
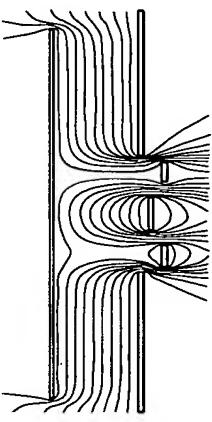
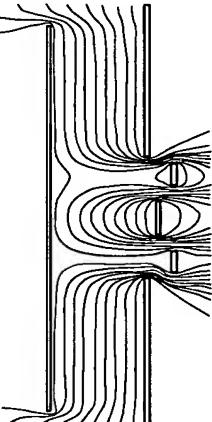
	TIME	POLARITY OF UPPER PIXEL	POLARITY OF LOWER PIXEL	WITH STORAGE ELECTRODE	WITHOUT STORAGE ELECTRODE
EXAMPLE 1	Gate ON	+	+	A contour plot showing the electric field distribution for two pixels with positive polarity. The field lines are symmetric and centered between the two electrodes.	A contour plot showing the electric field distribution for two pixels with positive polarity. The field lines are more concentrated and centered on the electrodes compared to the case with a storage electrode.
	Gate OFF	+	-	A contour plot showing the electric field distribution for two pixels with opposite polarities. The field lines are concentrated on the upper electrode.	A contour plot showing the electric field distribution for two pixels with opposite polarities. The field lines are more spread out than with a storage electrode.
EXAMPLE 2	Gate ON	-	-	A contour plot showing the electric field distribution for two pixels with negative polarity. The field lines are symmetric and centered between the two electrodes.	A contour plot showing the electric field distribution for two pixels with negative polarity. The field lines are more concentrated and centered on the electrodes compared to the case with a storage electrode.
	Gate OFF	-	+	A contour plot showing the electric field distribution for two pixels with opposite polarities. The field lines are concentrated on the lower electrode.	A contour plot showing the electric field distribution for two pixels with opposite polarities. The field lines are more spread out than with a storage electrode.

FIG.4A



400 90 34 70 90 31

FIG. 4B

	POLARITY OF LEFT PIXEL	POLARITY OF RIGHT PIXEL	POLARITY OF DATA LINE	WITH STORAGE ELECTRODE	WITHOUT STORAGE ELECTRODE
EXAMPLE 1	+	-	+		
					
EXAMPLE 2	-	+	-	